SRO 20/55

kV dependent max mA values for exposure times ≤ 100ms in combination with Optimus 50kW

kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]
40	115000	355000	70	238450	650000	**100**	**200000**	**500000**	130	153846	384615
41	119115	368200	71	242565	650000	101	198019	495049	131	152671	381679
42	123230	381400	72	246680	650000	102	196078	490196	132	151515	378787
43	127345	394600	73	250795	650000	103	194174	485436	133	150375	375939
44	131460	407800	74	254910	650000	104	192307	480769	134	149253	373134
45	135575	421000	75	259025	650000	105	190476	476190	135	148148	370370
46	139690	434400	76	263157	650000	106	188679	471698	136	147058	367647
47	143805	447800	77	259740	649350	107	186915	467289	137	145985	364963
48	147920	461200	78	256410	641025	108	185185	462962	138	144927	362318
49	152035	474600	79	253164	632911	109	183486	458715	139	143884	359712
50	156150	488000	80	250000	625000	110	181818	454545	140	142857	357142
51	160265	501600	81	246913	617283	111	180180	450450	141	141843	354609
52	164380	515200	82	243902	609756	112	178571	446428	142	140845	352112
53	168495	528800	83	240963	602409	113	176991	442477	143	139860	349650
54	172610	542400	84	238095	595238	114	175438	438596	144	138888	347222
55	176725	556000	85	235294	588235	115	173913	434782	145	137931	344827
56	180840	569400	86	232558	581395	116	172413	431034	146	136986	342465
57	184955	582800	87	229885	574712	117	170940	427350	147	136054	340136
58	189070	596200	88	227272	568181	118	169491	423728	148	135135	337837
59	193185	609600	89	224719	561797	119	168067	420168	149	134228	335570
60	197300	623000	90	222222	555555	120	166666	416666	150	133333	333333
61	201415	636400	91	219780	549450	121	165289	413223			
	205530	649800	92	217391	543478	122	163934	409836			
	209645	650000	93	215053	537634	123	162601	406504			
	213760	650000	94	212765	531914	124	161290	403225			
	217875	650000	95	210526	526315	125	160000	400000			
	221990	650000	96	208333	520833	126	158730	396825			
	226105	650000	97	206185	515463	127	157480	393700			
	230220	650000	98	204081	510204	128	156250	390625			
	234335	650000	99	202020	505050	129	155038	387596			

These are the default values of the tube data file TUBE_R2.TDL or TUBE_R3.TDL.
Typically there are no changes after adaptation except there are reductions due to the max generator power (Optimus 50kW = 650mA max) or if the filament does not have its full emission anymore (e.g. from shorted filament loops).
The red marked emission current values (at 76kV SF and 63kV LF) are the max emission currents at a kV value from which on the filament current can be reduced to achieve its max load performance.